Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

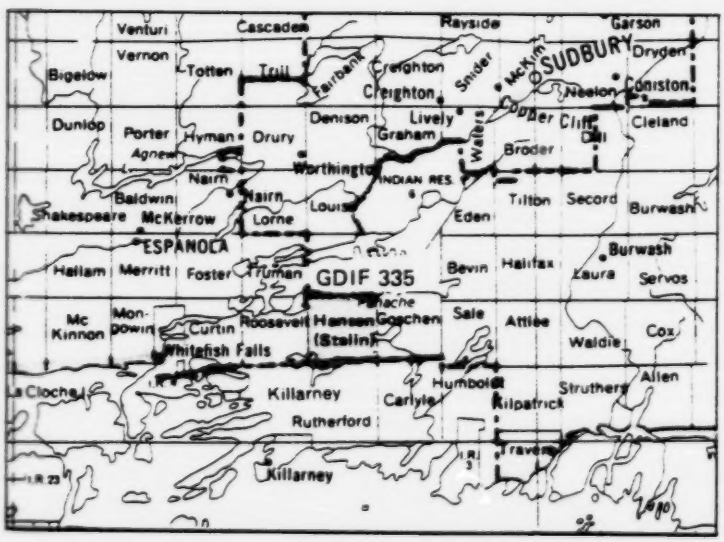
GDIF 335

HANSEN TOWNSHIP

(FORMERLY STALIN TOWNSHIP)

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

87-06502/

NTS Number 41 I/3

Mining Claim Map Number M 1124

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey

1987: Hansen Township (formerly Stalin Township), District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 335, compiled by the staff of the Resident Geologist's Office, Sudbury, 18p. and 2 maps.

Original Compilation by: Jerome, Lucille, July 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map - 1

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

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CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L. J.
2	Assessment Files Research Office, Toronto	N.A.	L. J.
3	ODM General Index; 7 volumes	Yes	L. J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	L. J.
6	ODM Industrial Mineral Reports	No	L. J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L. J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L. J.
9	Newspaper Clippings File	No	L. J.
10	GSC Index to Publications	Yes	L. J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L. J.
12	OGS Index Maps	Yes	L. J.
13	Source Mineral Deposit Records (O.G.S.)	No	L. J.
14	Author - Subject Articles File	No	L. J.
15	Miscellaneous Papers: ODM & OGS	Yes	L. J.
16	ODM Geological Circulars: OGS Study Series	Yes	L. J.
17	ODM Preliminary Reports: ODM Bulletins	No	L. J.
18	ODM – OGS Open File Reports	Yes	L. J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L. J.
20	OGS Aggregate Resources Inventory Papers	No	L. J.
21	OGS Mineral Potential Maps	Yes	L. J.
22	Theses on File, Sudbury	Yes	L. J.
23	Aerial Photographs on File, Sudbury	Yes	L. J.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anna. . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . .Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . .Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (flurospar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . .Galena
- Δ gt. . . . . .Garnet
- Δ goe . . . . . .Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . .Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . .Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . .Ilmenite
- Δ Fe . . . . . .Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . .Magnesite
- Δ mag . . . . . .Magnetite
- Δ mc . . . . . .Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . .Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . .Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . .Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . .Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . .Pentlandite
- Δ Pt. . . . . .Platinum
- Δ py . . . . . .Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- Δ po . . . . . .Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . .Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . .Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd . . . . . .Spodumene
- Δ staur . . . . . .Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

HANSEN TOWNSHIP
(formerly Stalin Tp.)

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			

GDIF FORM NO. 1

HANSEN TOWNSHIP
(formerly Stalin Tp.)

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)																				
1	Lac Minerals Ltd.									83	83										

GDIF FORM NO. 2

HANSEN TOWNSHIP
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DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Aerodat Limited Lac Minerals Ltd.	Magnetic and Electromagnetic	60 m	N/S	200 m

GDIF FORM NO. 4

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

HANSEN TOWNSHIP
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MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

No newspaper clippings to date, July 1986

ODM GENERAL INDEX SEARCH

Words searched:

LAC MINERALS
LAKE PANACHE AREA
PANACHE LAKE
STALIN TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	Penage Lake			
	Copper, R. C.			24
	Description	23	1	220
	Rocks on and near	23	1	219,221, 233
	limestone analysis and notes	13	2	29, 30
	dolomite, notes	1		82
	for burning	1		94
	quartzite	1		72
	Silver reported	18	1	49
	Syncline near	1		72

GDIF FORM NO. 8

10 HANSEN TOWNSHIP
(formerly Stalin Tp.)

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D.	1978	Sudbury-Manitoulin	O.G.S. Map 2360	1" - 2 miles
Card, K. D.	1971	Panache Lake Area (East Part)	Map P.669	1" = 1 mile
Card, K. D.	1974-75	Sudbury-Cobalt	O.G.S. Map 2361	1" = 4 miles
Thompson, J. E.	1968	Espanola Sheet, Preliminary Map	O.D.M. Map P.105	1" = 2 miles
		GEOPHYSICAL MAPS		
G.S.C. - O.D.M.	1965	Aeromagnetic Map, Sudbury, Ontario	7067G	1" = 4 miles
G.S.C. - O.D.M.	1965	Aeromagnetic Map, Lake Panache, Ontario	1516G	1" = 1 mile
O.D.M.	1958	Aeromagnetic Map, Stalin Township	A-113 (Sudbury File No.)	1" = ½ mile
O.G.S.	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey. Geophysical Series.	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dept. of Energy, Surveys and Mapping Branch	1975	Topographic Map, Lake Panache, Ontario		1:50,000
Gartner, J. F.	1978	N.O.E.G.T.S. Terrain Study 99, Espanola Map	Map 5002	1:100,000

HANSEN TOWNSHIP
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SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Springer, J. S.	1978	Ontario Mineral Potential, Southern Part of the Central Sheet, Districts of Algoma and Manitoulin	O.G.S. Map 1511	1:250,000
		GEOCHEMICAL		
		No data available July 1986		
		GEOLOGICAL REPORTS AND MAPS		
Card, K. D.	1975	Geology of the Panache Lake Area, Districts of Sudbury and Manitoulin	O.F.R. 5123	
Collins, W. H.		North Shore of Lake Huron	G.S.C. Sum. Rept.	Part E
	1978	Sudbury-Manitoulin Area, Dist. of Sudbury and Manitoulin	O.D.M. GR 166	
Vos, M. A., Smith, R. J., Stevenato	1981	Industrial Minerals of the Sudbury Area	O.F.R. 5329	
		JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS		
Brooks, Elwood R.	1967	Multiple Metamorphism above the Grenville Front North of Georgian Bay, Ontario	Geo. Soc. of Amer. Bull. Vol. 78	p. 1267-1280
Casshyap, S. M.	1966	Sedimentary Petrology and Stratigraphy of the Huronian Rocks South of Espanola, Ontario. Ph.D., Western	Sudbury Theses File No. 2	

GDIF FORM NO.4

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Cooke, H. R. H.	1951	Sulphide Deposits West of Sudbury. B.Sc., Queen's	MP 2	p. 15
Jones, W. A.	1930	1) Petrography of the rocks in the vicinity of Killarney, Ontario, and 2) Killarney gneisses and xenoliths at Sudbury, Ph. D., U. T.	MP 2	p. 27
Young, Grant M.	1973	Origin of Carbonate-Rich Early Proterozoic Espanola Formation, Ontario, Canada	Geo. Soc. of Amer.	p. 135 - 160
Young, G. M., and Church, W. R.	1966	The Huronian System in the Sudbury District and Adjoining Areas of Ontario - A Review	Geo. Ass. of Canada Vol. 17	p. 65

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

NOTES AND ADDENDA

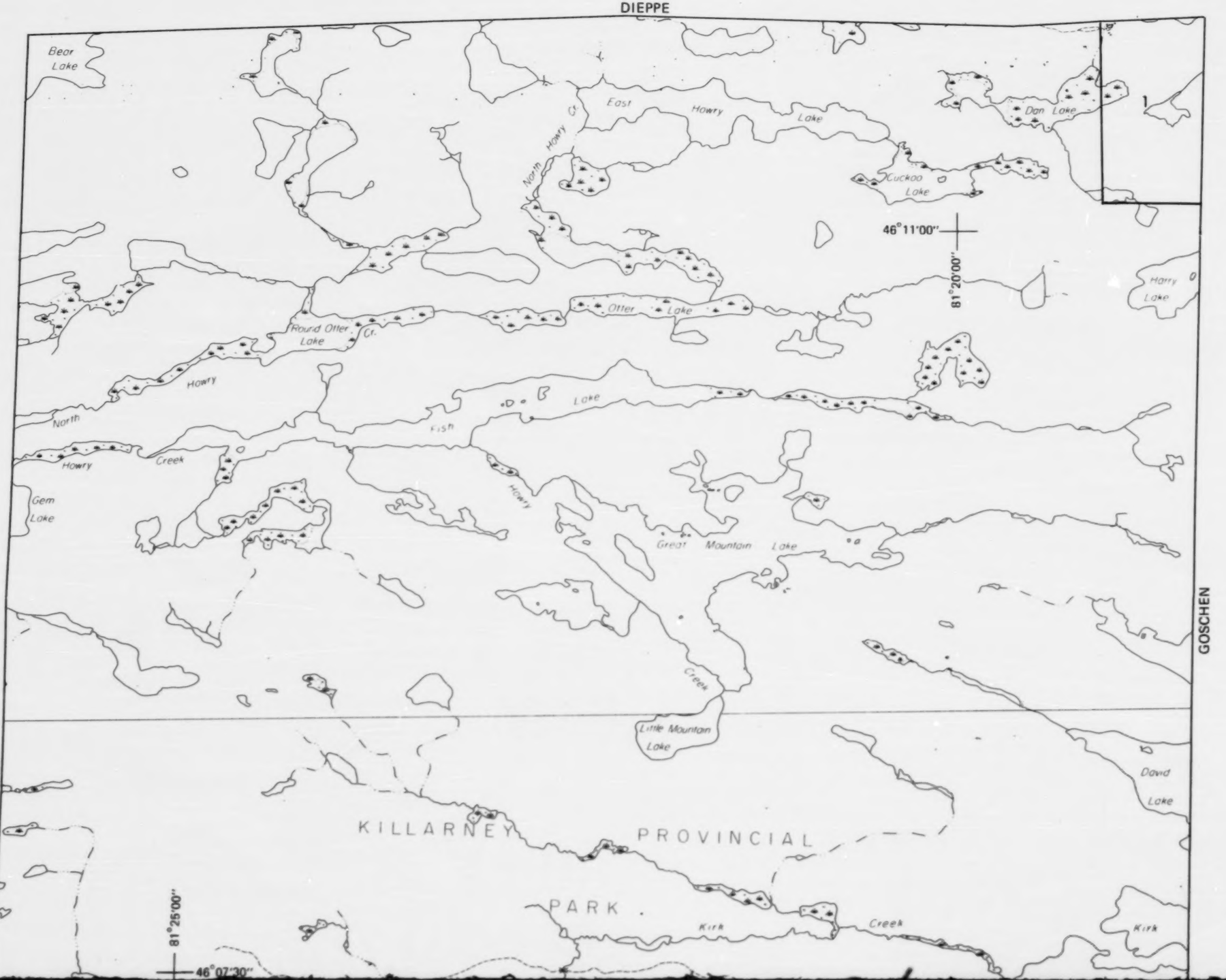
Aerial Photographs Index

Scale 1" = ¼ mile

Year	Roll	Line	Numbers
1959	54	4608	136-142
	23	4607	22, 28
	16	4606	55-60
	22	4605	44-49
1946	10	169	31-38
	9	170	33-39
	9	171	32-37
	8	172	31-39

GDIF FORM NO.10

DIEPPE



ROOSEVELT

GOSCHEN

Ministry of
Northern D
and Mines

Ontario

ONTARIO GEOLOGIC

PROPERTY LOCA

GEOLOGICAL DATA INVEN

(Map 1 of

HANSEN TO

(FORMERLY STALIN

DISTRICT OF SU

Scale 1:31 68

Kilometre 0.5 0 0

Mile 0.5 0

EXPLORATION DA

DIEPPE

Bear Lake

East Howry Lake

North Howry Cr.

Dan Lake

Cuckoo Lake

46°11'00"

81°20'00"

Harry Lake

Otter Lake

Round Otter Lake

Cr.

Howry

North

Creek

Fish

Lake

Howry

Great Mountain Lake

Creek

Little Mountain Lake

David Lake

KILLARNEY PROVINCIAL PARK

Kirk Creek

Kirk

81°25'00"

46°07'30"

GOSCHEN

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 335

(Map 1 of 2)

HANSEN TOWNSHIP

(FORMERLY STALIN TOWNSHIP)

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

HANSEN TO

(FORMERLY STALN

DISTRICT OF SU

Scale 1:31 68

Kilometre 0.5 0 0.5

Mile 0.5 0

ROOSEVELT

GOSCHEN

46°11'00"

81°20'00"

81°25'00"

46°07'30"

Harry Lake

Otter Lake

Howard Otter Lake Cr.

Howry Creek

North Howry Creek

Gem Lake

Fish Lake

Howry Creek

Great Mountain Lake

Little Mountain Lake

David Lake

KILLARNEY PROVINCIAL PARK

Kirk Creek

Kirk Creek

Kirk Lake

York Lake

Threenarrows Lake

Yoco Is.

Patten Lake

EXPLORATION DAT

■ ① ⑥ Reference number is alway
See listing in text pages.

□ x ④ Small area exploration.

HANSEN TOWNSHIP

(FORMERLY STALIN TOWNSHIP)

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

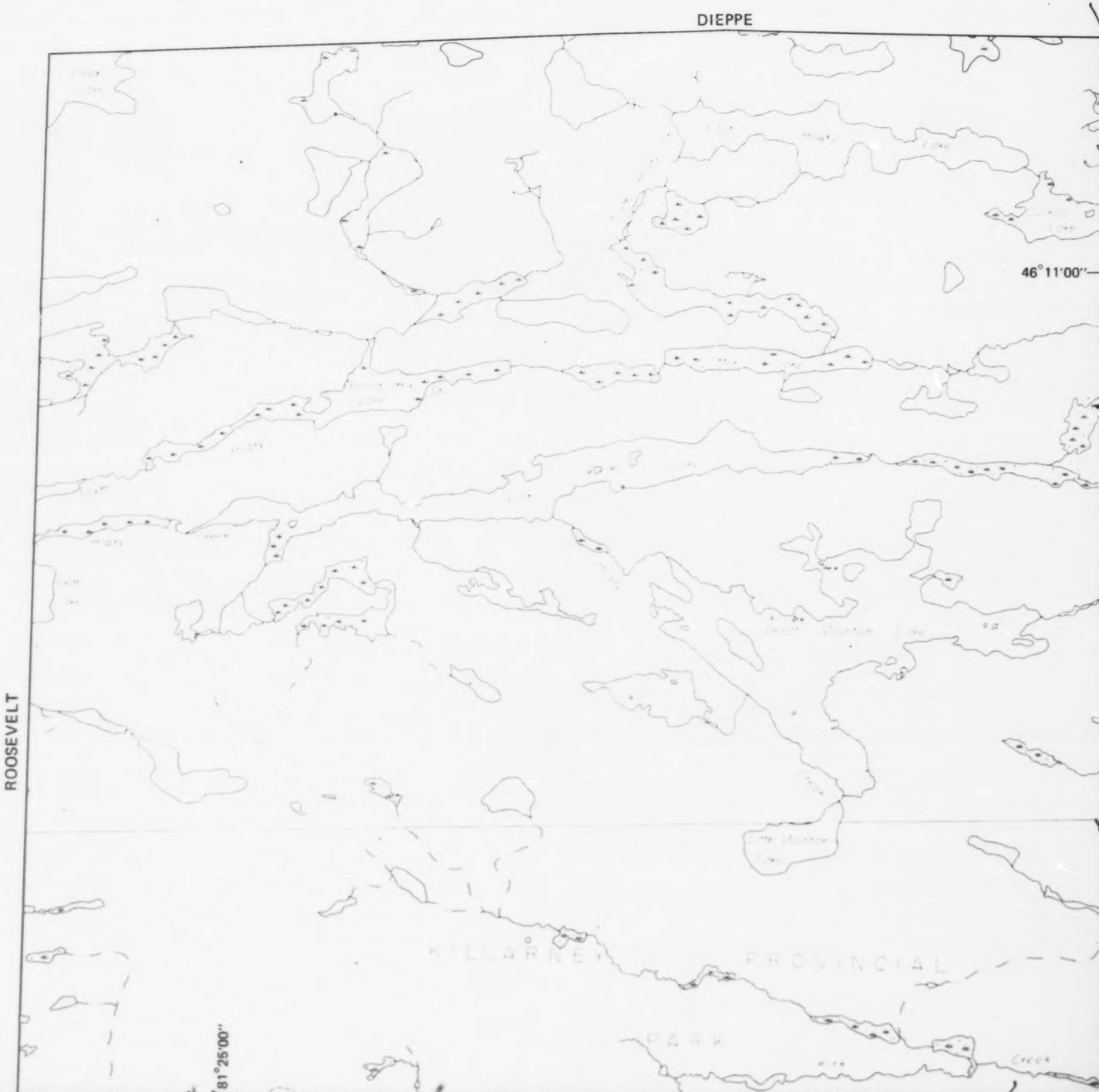
- ☐ Geochemical sample site, with reference number
- ☐ Area of geochemical sampling, with reference number
- ☐ Age dating material sampling site, with reference number

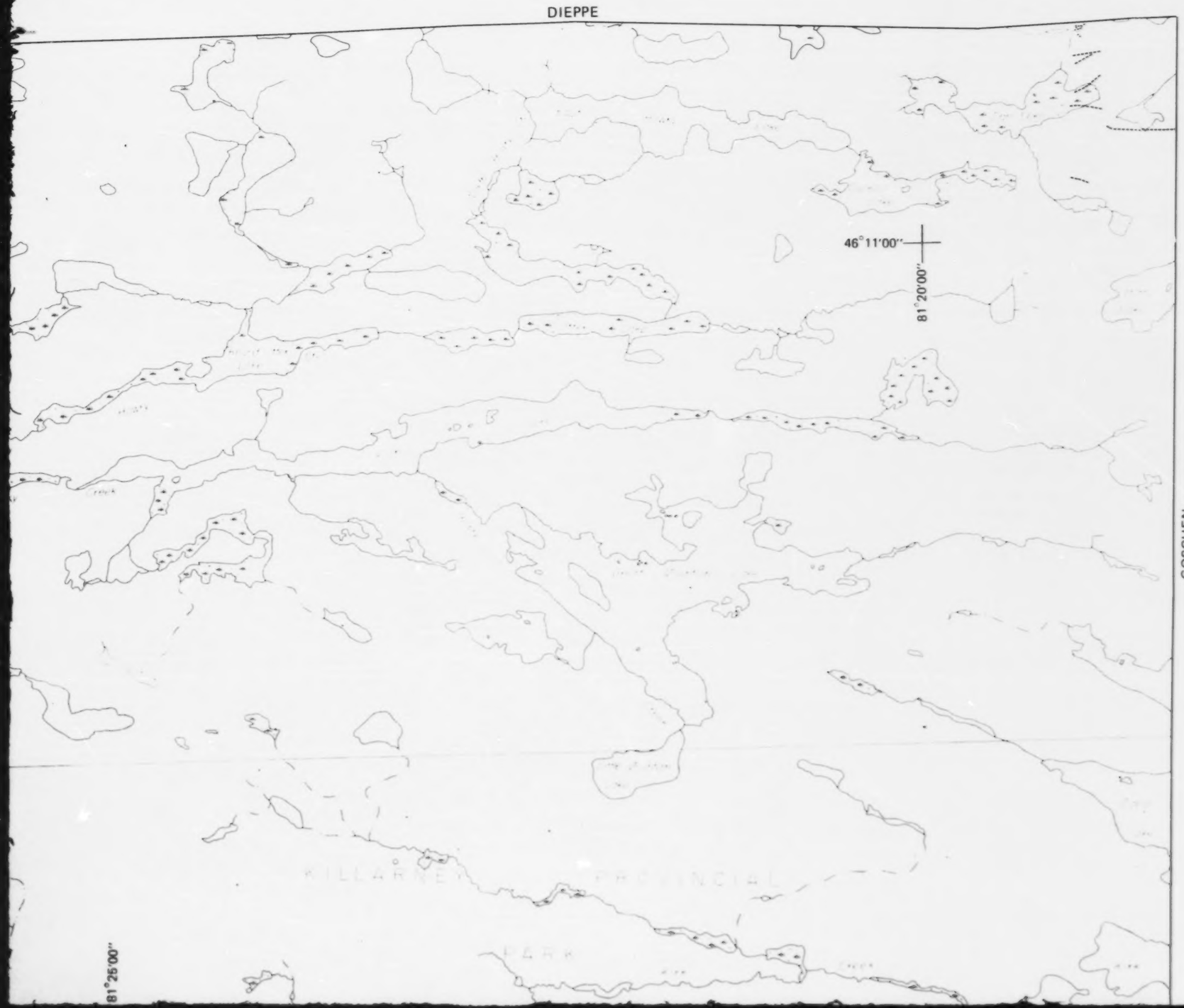
GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ☐ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Rock quarry





Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 335

(Map 2 of 2)

HANSEN TOWNSHIP

(FORMERLY STALIN TOWNSHIP)

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized float with reference letter

DRILLHOLE

- ☐ ●² — Location of single drillhole, with reference number
- ☐ ◉² — Location of closely spaced group of drillholes, with reference number
- ☐ ?² — Drillhole, exact location uncertain, with reference number
- ☐ — Property with underground drillholes in this general area, with reference number
- ☐ ○² — Property with drillholes which have not been plotted on map, with reference number

GEOPHYSICAL ANOMALIES

- ☐ -AM- Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ -ARA- Airborne radiometric anomaly
- ☐ -M- Ground magnetic anomaly
- ☐ VL Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ -RA- Ground radiometric anomaly
- ☐ -IP- Induced polarization anomaly
- ☐ -SP- Self potential anomaly
- ☐ -AFMAG- Audio-frequency magnetic anomaly
  (total intensity)
- ☐ -R- Resistivity anomaly
- ☐ -GR- Gravity anomaly

MISCELLANEOUS DATA

- ☐ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

ROOSEVELT

46°11'00"

81°25'00"

46°07'30"

HANSEN TOWNSHIP

(FORMERLY STALIN TOWNSHIP)

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GOSCHEN

46°11'00"

81°20'00"

81°25'00"

46°07'30"

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ☐ cp ▲ A. — Mineral occurrence at surface, with reference letter
- ☐ Au ◪ A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag △? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp ▬ A. — Mineralized float with reference letter

DRILLHOLE

- ☐ ●² — Location of single drillhole, with reference number
- ☐ ◉² — Location of closely spaced group of drillholes, with reference number
- ☐ (?)² — Drillhole, exact location uncertain, with reference number
- ☐ ◡◯◡ — Property with underground drillholes in this general area, with reference number
- ☐ ○² — Property with drillholes which have not been plotted on map, with reference number
- ☐ ⊕² — Reverse circulation drillhole; churn drilling, with reference number